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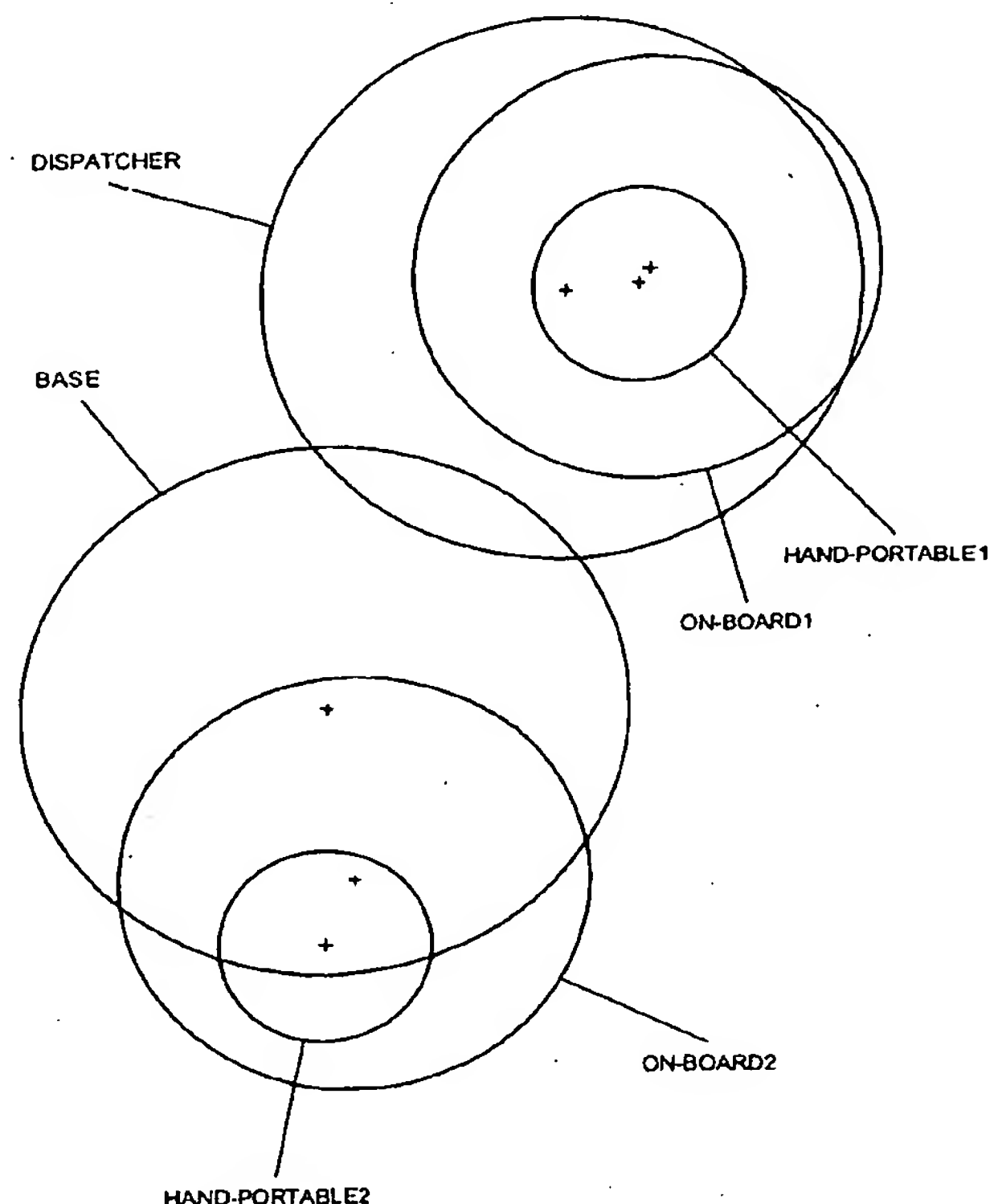
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(54) Title: **EXTENDING THE RANGE OF A HAND-PORTABLE RADIO**



(57) Abstract: A repeater system for hand portable ra-  
dios that may be outside normal coverage in a mobile  
radio system. Short messages or emergency messages  
from the portable radio are transmitted to an on-board or  
other mobile station, and forwarded from there to a cen-  
tral station or other required station in the system. The  
on-board station generally has a higher powered trans-  
mitter than the portable station and is within network  
coverage when the messages are received. The on-board  
station might be carried by a vehicle for example, and  
the portable station might be carried by a public safety  
official who has left the vehicle to investigate a nearby  
event.

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